# TECHNICAL DATA SHEET

# BLOK-LOK™

## SILANE/SILOXANE with *MICRO-LOK*™
## 100% PENETRATING WATER REPELLENT

### PRODUCT DESCRIPTION

Rainguard *BLOK-LOK* with *MICRO-LOK* Clear Water Repellent is a water-based, silane/siloxane repellent composed of high-quality chemical solids, blended to create a clear, deep-penetrating, and non-film-forming chemically-reactive masonry water repellent that contains no silicone oils, paraffin wax, or urethanes.

*MICRO-LOK* creates a micro-molecular chemical and mechanical bond between the water-repellent chemicals and the substrate. *BLOK-LOK* penetrates deep into porous masonry surfaces to provide long-lasting and virtually indestructible water-repellent protection that is not affected by weather or sunlight. Helps prevent spalling and cracking caused by freeze/thaw cycles. Helps prevent chloride ion intrusion and efflorescence.

*BLOK-LOK* provides superior grade, heavy-duty water-repellent performance on a wide variety of vertical surfaces.

### PRODUCT FEATURES

- Exclusive *MICRO-LOK* formulation
- Mold and Mildew Inhibitor
- Protection not effected by weathering or UV light
- Single or multiple coat application
- V.O.C. compliant
- Contains no known carcinogens
- Cures concrete faster - Shortens job cycle time
- Breathable – does not trap moisture
- Can be used in cold temperature applications
- Meets Master Painters Institute (MPI) #34 - Water Repellent
- Will not yellow or turn cloudy
- Can be used on surfaces block admixture such as Dry-Block

**Warranty Period:** Five Years
**CSI Reference:** Division 3, 4, 7 & 9
**RTU= Ready To Use** **CONC= Concentrate**

| Part Numbers: | USA | International |
|---|---|---|
| 1 Gallon-RTU | CR-0201 | CR-0201-CA |
| 5 Gallon-RTU | CR-0205 | CR-0205-CA |
| 55 Gallon-RTU | CR-0255 | CR-0255-CA |
| 1 Gallon-CONC | CR-0601 | CR-0601-CA |
| ECO-Pod™-CONC | CR-0607 | CR-0607-CA |

### RECOMMENDED USES:

- Bare wood
- Brick
- Concrete
- Curing compound for vertical applications
- EFIS or cement plaster
- Masonry block
- Stucco

### COVERAGE RATES (THEORETICAL):

| Substrate | | Sq Ft/ Gallon |
|---|---|---|
| CMU | Precision Block | 60-70 |
| | Split Face | 50-70 |
| | Scored/Fluted | 65-80 |
| | Lightweight | 40-55 |
| Clay Brick | | 125-150 |
| Stucco | | 100-150 |
| Dense Masonry Surfaces | | 125-150 |
| Wood | | 150-200 |
| Clay Block | | 50-60 |
| EFIS | | 80-120 |
| Concrete Curing | | 250 |

***Special Considerations***:

- *Use of fluted or scored block or raked joints will increase surface areas by 20%-30% or more and decrease coverage rates. Allow for this increased surface area when determining material requirements.*
- *Extremely porous surfaces may require multiple coats.*

**MANUFACTURED BY:**
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## PRECAUTIONS & LIMITATIONS

All surfaces to be coated should be clean of any dirt and grime, efflorescence, lime run, form oils and release agents, grease, mud, excess mortar, and mold and mildew, etc. All cracks should be pointed or caulked. All voids, bee holes, masonry surface defects, and openings such as conduits, pipes, drains, door frames, vents, air conditioner openings, electrical openings, control joints, or any dissimilar materials should be repaired using urethane or other approved patching. May be applied to fresh concrete after 48 hours.

Do not apply to surfaces if moisture content is greater than 22% as measured with an electronic moisture meter. Do not apply materials in climates where freezing temperatures have existed prior to application. Allow adequate time for surfaces to thaw. Establish that air, surface, and material temperatures are above 35°F (2°C) and at least 5°F above the dew point prior to painting. Do not apply at temperatures below 35°F or when temperatures are expected to drop below 35°F within 48 hours of application. Do not apply if rain, snow, or lower temperatures are expected within 48 hours. Do not apply if relative humidity is greater than 80%.

Use material in a well-ventilated area. Protect the work of other trades. Protect shrubbery and other plants with drop cloths. Protect automobiles and all other areas not to be coated from overspray. Remove overspray from any windows, automobiles, metal, etc. as soon as possible should it occur. To prevent permanent staining, clean spills or leaks in a timely manner.

Store materials in a well-protected area between 45° and 90°F. Avoid freezing temperatures, direct sunlight, and moisture. Keep away from heat sources.

## Dilution - Concentrate ONLY

**If product is Ready To Use - DO NOT DILUTE**

5 Year Warranty - 9 parts water, 9:1 Mix ratio
5 Year Warranty - 1 ECO-Pod™ per 1 gallon of water

## TEST PANEL

*Always apply material to a mock wall or test panel. Test wall or actual surface area to determine acceptable color, surface porosity, application rates, and methods before starting general application.*

## FOLLOW THESE SIMPLE STEPS

1. *BLOK-LOK* should be applied using low-pressure airless spray equipment.
2. Avoid atomizing material by using a spray tip size of .035 to .051. Spray head should be held 8 to 12 inches from the surface so that the flood coat runs down the wall approximately 6-12 inches below the point of application.
3. Avoid application in windy weather.
4. Trigger gun off at the end of each pass to avoid using excessive materials. Stop all applications only at corners, joints, seams, or edges.

## TECHNICAL DATA

| | |
|---|---|
| Material Type | Silane/Siloxane |
| Active Content | 100% |
| Volume Solids | 40% |
| Color of Material | Milky White |
| Odor | Slight Ammonia Odor |
| V.O.C. | <15 g/L V.O.C. Compliant |
| Flash Point | Non-Flammable |
| pH Value | Approximately 7.5 |
| Viscosity | 9.6 Seconds No. 4 Ford Cup |
| Weight | Approximately 8.7 lbs./gal. |
| Surface Dry/Recoat | Approx 1 Hour |
| Full Chemical Cure | 5 to 7 days |

## TEST DATA

| | |
|---|---|
| Wind Driven Rain | ASTM E-514-86 98.7% Leak Red |
| Water Pen Fed Spec | SS-W-110C 75% Min Req |
| | 96.8% Leak Red Chloride Ion Intr |
| Salt Pounding NCHRP No. 244 | |
| | Allowed 25% - *Obtained 13.0%* |
| Water Abs CMU ASTM C140-75 | |
| | 89% Effective |
| Water Vapor Trans ASTM D-1653 | |
| | 100% Vapor Perm |
| Water Repellency ASTM C67-80A | |
| | 97% Effective |
| Weathering ASTM G-53 | 2500 Hours – No Change |
| Surface Burning ASTM E84 | Flame Spread 0, Smoke developed 0 |

## LIMITED WARRANTY PROCEDURES/INFORMATION

The information contained herein is offered in good faith and is believed to be accurate. To be eligible for a Rainguard Warranty the following must occur:

1. A site visit must be conducted by an employee or agent of Rainguard and a Field Inspection Report completed.
2. A Warranty Application must be fully completed by the applicator.
3. Field Inspection Report, Warranty Application, and a copy of the distributor's invoice must be submitted to and approved by Rainguard.

This material is only warranted when applied in accordance with the manufacturer's guidelines and warranty procedures. Without adherence to these specific guidelines, no expressed or implied warranty of this product is given. Please contact Rainguard for additional information.

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